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ABSTRACT

AN ADAPTABLE VIBRATION ABSORBER EMPLOYING A MAGNETORHEOLOGICAL ELASTOMER WITH VARIABLE GAP LENGTH AND METHODS AND SYSTEMS THEREFOR

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The inventions include an adaptive vibration absorber (AVA) and variation thereof including variations in methods and systems of usage. An exemplary AVA may operate adaptively over an appropriate relatively wide bandwidth or frequency range in vibration absorption without adding energy to the system and the problems associated with such energy addition. Further, the exemplary AVA may be of low cost as well as lightweight and compact.

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